



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/683,762	10/10/2003	Sunay Tripathi	SUNMP474	1580
32291	7590	05/01/2007	EXAMINER	
MARTINE PENILLA & GENCARELLA, LLP			LEE, CHI HO A	
710 LAKEWAY DRIVE			ART UNIT	PAPER NUMBER
SUITE 200			2616	
SUNNYVALE, CA 94085				
MAIL DATE		DELIVERY MODE		
05/01/2007		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/683,762	TRIPATHI ET AL.
	Examiner	Art Unit
	Andrew Lee	2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 23 April 2003.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-36 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

ANDREW C. LEE
PRIMARY PATENT EXAMINER

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____	6) <input type="checkbox"/> Other: _____

DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because serial number/patent number missing from “RELATED APPLICATION”. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-36 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Re Claims 1-36, it is unclear what device/component “a socket layer, TCP layer, and IP layer” is referring to. Link layer devices are NIC, bridges, routers, and bridges, but router also operates in IP layer. At most, the layers are referring to a protocol stack and not a particular device. Applicant is requested to reference the specification so mete and bound can be determined.

Claim Rejections - 35 USC § 101

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

5. Claims 25-36 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Re Claim 25, to the body of the claim refers to a protocol stack whereby each layer is software. Software/code must be stored in computer readable medium and executed by a processor or equivalent to be statutory.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-36 are rejected under 35 U.S.C. 102(e) as being anticipated by Vogel U.S. Patent Number 6,912,217.

Re Claims 1, 17, 25, fig. 2 teaches a voice processor for processing data to be transmitted on a transmission medium 16 of fig. 1 wherein the voice data is segmented into appropriate sized frames (a data is larger than the largest size of a single data packet) conforming to the various protocols in the TCP/IP suite (See col. 4, lines 58-68); wherein the segmented data is stored in the DMA of PCP 60 (storing in memory); processing of the data includes segmenting the data to produce a link lists (an array of linked data blocks (See col. 8, lines 1-13) conforming to a standard protocol stack (performed by a socket layer); wherein the segments data is encapsulated with TCP and IP headers (adding first and second headers) wherein the layer 2 device (a

communication subsystem/NIC) identifies the blocks to be transmitted over the transmission medium (See col. 5, lines 1 +).

Re Claim 2, refer to Claim 1, wherein the medium 16 supports a transmission protocol for transmission.

Re Claims 3, 4, 34, refer to Claim 2, wherein the protocol is TCP/IP headers (a packetized protocol).

Re Claims 5, 26, refer to Claim 1, wherein layer device includes NIC.

Re Claims 6-12, 18-21, 27-33, refer to Claim 5, when the moment/time the NIC receives the encapsulation by the IP layer device, the segment of blocks of data (said block or said array) to the layer link frame identifies the (one block) wherein the frame (a data packet) are transmitted to layer one for transmission over the medium 16, wherein frames are transmitted one frame at a time onto the medium 16.

Re Claims 13, 22, refer to Claim 1, wherein processor includes a application layer.

Re Claim 14-15, 23, 35, refer to Claim 1, wherein the protocol stack includes TCP/IP and variable payload (approx. 1500 bytes in length).

Re Claims 16, 24, 36, refer to Claim 1, wherein the memory addresses for the link list is associated with memory pointers.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 571-272-3130. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).. If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ANDREW C. LEE
PRIMARY PATENT EXAMINER
